



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled Cellular Radio Telecommunications Network the specification of which

[] is attached hereto

OR

[X] was filed on O[[23][0] and granted Application Serial Number O[] 76733 2

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

European Application No. 00300503.0 Filed: January 24, 2000

I hereby claim the benefit under Title 35, United States Code, 120 of any foreign application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

PT4 LONDON





I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Lester H. Birnbaum (Reg. No. 25830) Richard J. Botos (Reg. No. 32016) Jeffery J. Brosemer (Reg. No. 36096) Kenneth M. Brown (Reg. No. 37590) Donald P. Dinella (Reg. No. 39961) Martin I. Finston (Reg. No. 361613) William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 36528) Anthony Grillo (Reg. No. 36528) Anthony Grillo (Reg. No. 36528) Stephen M. Gurey (Reg. No. 36535) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 38173) Michael B. Johannesen (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 34674) Martin G. Meder (Reg. No. 36782) John C. Moran (Reg. No. 38979) Michael A. Morra (Reg. No. 38979) Gregory J. Murgia (Reg. No. 38979) Jack R. Penrod <th>Thomas J. Bean</th> <th>(Reg. No. 44528)</th>	Thomas J. Bean	(Reg. No. 44528)
Richard J. Botos (Reg. No. 32016) Jeffery J. Brosemer (Reg. No. 36096) Kenneth M. Brown (Reg. No. 37590) Donald P. Dinella (Reg. No. 39961) Martin I. Finston (Reg. No. 3613) William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 36528) Anthony Grillo (Reg. No. 36528) Stephen M. Gurey (Reg. No. 36528) John M. Harman (Reg. No. 36535) Stephen M. Gurey (Reg. No. 38173) John B. Johannesen (Reg. No. 36164) Michael B. Johannesen (Reg. No. 38944) Michael B. Johannesen (Reg. No. 38944) Mera Lager (Reg. No. 38944) John B. MacIntyre (Reg. No. 34866) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 36674) John C. Moran (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R.		
Jeffery J. Brosemer (Reg. No. 36096) Kenneth M. Brown (Reg. No. 37590) Donald P. Dinella (Reg. No. 39961) Martin I. Finston (Reg. No. 31613) William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 36528) Jimmy Goo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 36535) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 38173) Michael B. Johannesen (Reg. No. 36164) Michael B. Johannesen (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John B. MacIntyre (Reg. No. 34866) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34674) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 36782) John C. Moran (Reg. No. 36782) Michael A. Morra (Reg. No. 38979) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Neil	Richard J. Botos	
Kenneth M. Brown (Reg. No. 37590) Donald P. Dinella (Reg. No. 39961) Martin I. Finston (Reg. No. 31613) William S. Francos (Reg. No. 26166) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 37138) Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 38173) Michael B. Johannesen (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 34866) John C. Moran (Reg. No. 30776) Martin G. Meder (Reg. No. 3674) John C. Moran (Reg. No. 28975) Gregory J. Murgia (Reg. No. 3674) Glaude R. Narcisse (Reg. No. 36929) Joseph J. Opalach (Reg. No. 36993) Neil R. Ormos	Jeffery J. Brosemer	
Donald P. Dinella (Reg. No. 39961) Martin I. Finston (Reg. No. 31613) William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 37138) Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 36557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34674) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) Michael A. Morra (Reg. No. 38979) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 35309) Neil R. Ormos (Reg. No. 30592) Scott J. Rittman <td></td> <td></td>		
Martin I. Finston (Reg. No. 31613) William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 37138) Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 36557) Mark A. Kurisko (Reg. No. 35557) Mark A. Kurisko (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John F. McCabe (Reg. No. 39260) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 34674) John C. Moran (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 39010) Gregory C. Ranieri	Donald P. Dinella	
William S. Francos (Reg. No. 38456) Barry H. Freedman (Reg. No. 26166) Julio A. Garceran (Reg. No. 37138) Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30776) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Joseph J. Opalach (Reg. No. 38979) Joseph J. Opalach (Reg. No. 35309) Neil R. Ormos (Reg. No. 31864) Jack R. Penrod (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal	Martin I. Finston	
Barry H. Freedman Julio A. Garceran Julio A. Garceran Jimmy Goo Anthony Grillo Stephen M. Gurey John M. Harman Matthew J. Hodulik Michael B. Johannesen Mark A. Kurisko Irena Lager John F. McCabe Scott W. McLellan John C. Moran Michael A. Morra Gregory J. Murgia Claude R. Narcisse Joseph J. Opalach Neil R. Ormos Jack R. Penrod Gregory C. Ranieri Scott J. Rittman Ferdinard Postaria Fordinard Reg. No. 26585 Reg. No. 3658) Reg. No. 36580 Reg. No. 36588 Reg. No. 36580 Reg. No. 36698) John P. Veschi David Volejnicek Charles L. Warren	William S. Francos	
Julio A. Garceran (Reg. No. 37138) Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) John F. McCabe (Reg. No. 34866) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) Michael A. Morra (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 35309) Gregory C. Ranieri (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider		
Jimmy Goo (Reg. No. 36528) Anthony Grillo (Reg. No. 36535) Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) Michael A. Morra (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 35309) Gregory C. Ranieri (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 3658) Carry M.N. Teitelbaum		
Anthony Grillo Stephen M. Gurey John M. Harman Matthew J. Hodulik Michael B. Johannesen Mark A. Kurisko Irena Lager John B. MacIntyre Christopher N. Malvone John F. McCabe Scott W. McLellan Michael A. Morra Gregory J. Murgia Claude R. Narcisse Joseph J. Opalach Neil R. Ormos Jack R. Penrod Gregory C. Ranieri Scott J. Rittman Ferdinand M. Romano Eugen M. Greg. No. 36585 Charles L. Warren (Reg. No. 36585) (Reg. No. 36585) (Reg. No. 36581) (Reg. No. 36585) (Reg. No. 36581) (Reg. No. 390581) (Reg. No. 27407)	Jimmy Goo	
Stephen M. Gurey (Reg. No. 27336) John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 39260) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30776) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 39095) Gregory C. Ranieri (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 26585) Bruce S. Schneider (Reg. No. 36698) Ozer M.N. Teitelbaum (Reg. No. 39058) David Vo	Anthony Grillo	
John M. Harman (Reg. No. 38173) Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 41170) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 35309) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 26585) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) David Volej		
Matthew J. Hodulik (Reg. No. 36164) Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 34866) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 34866) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 35309) Gregory C. Ranieri (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 39010) Eugene J. Rosenthal (Reg. No. 32752) Bruce S. Schneider (Reg. No. 26585) Poxid L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) David Volejnicek (Reg. No. 27407)		
Michael B. Johannesen (Reg. No. 35557) Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 41170) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 30782) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 3658) Eugene J. Rosenthal (Reg. No. 26585) Bruce S. Schneider (Reg. No. 26585) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) David Volejnicek (Reg. No. 27407)	Matthew J. Hodulik	
Mark A. Kurisko (Reg. No. 38944) Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 41170) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 30910) Ferdinand M. Romano (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Michael B. Johannesen	
Irena Lager (Reg. No. 39260) John B. MacIntyre (Reg. No. 41170) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 28975) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 36585) David L. Smith (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Mark A. Kurisko	
John B. MacIntyre (Reg. No. 41170) Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 36658) Eugene J. Rosenthal (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Irena Lager	
Christopher N. Malvone (Reg. No. 34866) John F. McCabe (Reg. No. 30776) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		
John F. McCabe (Reg. No. 42854) Scott W. McLellan (Reg. No. 30776) Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 28975) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 35309) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Christopher N. Malvone	
Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 30782) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 36592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	John F. McCabe	
Martin G. Meder (Reg. No. 34674) John C. Moran (Reg. No. 28975) Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 38979) Claude R. Narcisse (Reg. No. 36229) Joseph J. Opalach (Reg. No. 35309) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Scott W. McLellan	(Reg. No. 30776)
Michael A. Morra (Reg. No. 28975) Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 29695) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		
Gregory J. Murgia (Reg. No. 41209) Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	John C. Moran	(Reg. No. 30782)
Claude R. Narcisse (Reg. No. 38979) Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Michael A. Morra	(Reg. No. 28975)
Joseph J. Opalach (Reg. No. 36229) Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 39058) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		(Reg. No. 41209)
Neil R. Ormos (Reg. No. 35309) Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 39058) David Volejnicek (Reg. No. 27407) Charles L. Warren (Reg. No. 27407)	Claude R. Narcisse	(Reg. No. 38979)
Jack R. Penrod (Reg. No. 31864) Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	Joseph J. Opalach	(Reg. No. 36229)
Gregory C. Ranieri (Reg. No. 29695) Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		(Reg. No. 35309)
Scott J. Rittman (Reg. No. 39010) Ferdinand M. Romano (Reg. No. 32752) Eugene J. Rosenthal (Reg. No. 36658) Bruce S. Schneider (Reg. No. 27949) Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 39058) David Volejnicek (Reg. No. 27407) Charles L. Warren (Reg. No. 27407)		(Reg. No. 31864)
Ferdinand M. Romano Eugene J. Rosenthal Bruce S. Schneider Ronald D. Slusky David L. Smith Ozer M.N. Teitelbaum John P. Veschi David Volejnicek Charles L. Warren (Reg. No. 32752) (Reg. No. 36658) (Reg. No. 27949) (Reg. No. 26585) (Reg. No. 30592) (Reg. No. 36698) (Reg. No. 39058) (Reg. No. 29355)		(Reg. No. 29695)
Eugene J. Rosenthal Bruce S. Schneider Ronald D. Slusky David L. Smith Ozer M.N. Teitelbaum John P. Veschi David Volejnicek Charles L. Warren (Reg. No. 36658) (Reg. No. 27949) (Reg. No. 26585) (Reg. No. 30592) (Reg. No. 36698) (Reg. No. 39058) (Reg. No. 29355)		(Reg. No. 39010)
Bruce S. Schneider Ronald D. Slusky (Reg. No. 26585) David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum John P. Veschi David Volejnicek (Reg. No. 39058) Charles L. Warren (Reg. No. 27407)	Ferdinand M. Romano	(Reg. No. 32752)
Ronald D. Slusky David L. Smith Ozer M.N. Teitelbaum John P. Veschi David Volejnicek Charles L. Warren (Reg. No. 26585) (Reg. No. 30592) (Reg. No. 36698) (Reg. No. 39058) (Reg. No. 29355) (Reg. No. 27407)		(Reg. No. 36658)
David L. Smith (Reg. No. 30592) Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 39058) David Volejnicek (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		(Reg. No. 27949)
Ozer M.N. Teitelbaum (Reg. No. 36698) John P. Veschi (Reg. No. 39058) David Volejnicek (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		(Reg. No. 26585)
John P. Veschi (Reg. No. 39058) David Volejnicek (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)	David L. Smith	(Reg. No. 30592)
David Volejnicek (Reg. No. 29355) Charles L. Warren (Reg. No. 27407)		(Reg. No. 36698)
Charles L. Warren (Reg. No. 27407)		(Reg. No. 39058)
(-3)		
Eli Weiss (Reg. No. 17765)		
	Eli Weiss	(Reg. No. 17765)

I hereby authorize these attorneys to insert in the above blanks the filing date and application serial no. when known.

Please address all correspondence to the Docket Administrator (Rm. 3C-512), Lucent Technologies Inc., 600 Mountain Avenue, P. O. Box 636, Murray Hill, New Jersey 07974-0636. Telephone calls should be made to David Williams by dialing 011-44-208-504-2824.

Full name of 1st joint inve	entor: David Lahiri Bhatoolaul	
Inventor's signature _	Quels	Date
Residence: Grange F	Park, Wiltshire, Great Britain	
Citizenship: Great Brit	tain	
Post Office Address:	16 Ascham Road Grange Park Great Britain	
Full name of 2 nd inventor:	Qiang Cao	0././
Inventor's signature	Diang as	Date (
Residence: Abbey M	eads, Wiltshire, Great Britain	,
Citizenship: China		
Post Office Address:	33 Baxter Close Abbey Meads SN2 3XL Great Britain	
Full name of 3 rd inventor:	Patrick Charriere	
Inventor's signature _	here and the second	Date <u><i>/9/0//0/</i></u>
Residence: Tetbury,	Gloucestershire, Great Britain	
Citizenship: France		
Post Office Address:	48 West Street Tetbury GL8 8DR Great Britain	
Full name of 4 th inventor:	Babul Miah	
Inventor's signature _		Date
Residence: London,	Tetbury, Great Britain	





Please address all correspondence to the Docket Administrator (Rm. 3C-512), Lucent Technologies Inc., 600 Mountain Avenue, P. O. Box 636, Murray Hill, New Jersey 07974-0636. Telephone calls should be made to David Williams by dialing 011-44-208-504-2824.

Full name of 1st joint inve	entor: David Lahiri Bhatoolaul	
Inventor's signature _		Date
Residence: Grange F	Park, Wiltshire, Great Britain	
Citizenship: Great Brit	tain	
Post Office Address:	16 Ascham Road Grange Park Great Britain	
Full name of 2 nd inventor:	Qiang Cao	
Inventor's signature _		Date
Residence: Abbey Mo	eads, Wiltshire, Great Britain	
Citizenship: China		
Post Office Address:	33 Baxter Close Abbey Meads SN2 3XL Great Britain	
Full name of 3 rd inventor:	Patrick Charriere	
Inventor's signature _		Date
Residence: Tetbury,	Gloucestershire, Great Britain	
Citizenship: France		
Post Office Address:	48 West Street Tetbury GL8 8DR Great Britain	
Full name of 4 th inventor:	Babul Miah	
Inventor's signature _	But	Date <u> 6/03/</u> の
Residence: London,		





Citizenship: Great Britain

Post Office Address:

3 Fitzgerald House

Stockwell Park Road

London **Great Britain**

Full name of 5th inventor: Michael Roberts

Inventor's signature _

Date 22/11/08

Residence: Prittlewell, Southend-on-Sea, Essex, Great Britain

Citizenship: Great Britain

Post Office Address:

127 East Street

Prittlewell, Southend-on-Sea

SS2 5EB **Great Britain**